

**CROTALARIA INCANA VAR. GRANDIFLORA (LEGUMINOSAE), A NEW  
VARIETY FROM SOUTH AMERICA**

D. Windler, L. Adler, & S. Skinner

Department of Biological Sciences, Towson State University, Towson,  
Maryland 21204 U.S.A.

**ABSTRACT**

***Crotalaria incana* var. *grandiflora*, var. nov.**, a large flowered variety from Colombia, Ecuador, Perú, Bolivia, and Paraguay is described.

**KEY WORDS:** *Crotalaria*, Leguminosae, Colombia, Ecuador, Perú, Bolivia, Paraguay, South America

During preparation of a treatment of the genus *Crotalaria* for Flora Neotropica, an analysis of the variation in the wide ranging and weedy species *C. incana* L. was conducted (Adler & Windler 1983). The variation in morphological characters was examined in the light of the differences in geography and topography. Varieties *incana* and *australis* have the broadest range in the New World and are distinguished primarily by their indument types. Variety *australis* is characterized by its dense spreading trichomes and variety *incana* is characterized by a more sparse, loosely appressed indument. Senn (1939) described var. *nicaraguensis* to recognize Central American plants with glabrous or nearly glabrous stems and fruits. Windler & Adler's study found a fourth variety, characterized by flowers that are substantially larger than those of the other three varieties. Bentham had affixed the name *C. grandiflora* to a herbarium sheet but never submitted it for publication. N.L. Britton (1889) included the epithet in a paper, enumerating the collections of H.H. Rusby in 1885 and 1886, but did not validate it. In order to make the varietal name available for our use, we submit the following diagnosis:

***Crotalaria incana* L. var. *grandiflora*** Windler, Adler, & Skinner, var. nov.

TYPE: BOLIVIA. Depto. La Paz, Prov. Sud Yungas, Yanacachi, abajo del "Hogar Fe y Alegría," 1950 m, exp. SSE, 20-30 degree slope sendero por abajo, hacia chacras y el río, Matorral, May 4, 1987, R. Seidel & E. Richter 874 (HOLOTYPE: US!).

*Crotalaria incana* L. forma *microphylla* Chodat & Hassler, Bull. Herb. Boissier 4(2nd series):835. 1904. TYPE: PARAGUAY. Cordillera, San Bernardino, E. Hassler 3526 (HOLOTYPE: G!).

Diagnosis: Flores grandes (14-15 mm longi), calycibus 11-13 mm longis, carinis 11-14 mm longis (Fig. 1).

This large flowered variety of *Crotalaria incana* is native to upper elevations in tropical South America and appears at lower elevations in the more temperate climates of southern South America. Representative collections are as follows:

COLOMBIA. Atlantico, Nr. Barranquilla, *Dugand* 127 (F). Bolivar, Nr. Cartagena, roadsides nr. sea-level, *Killip & Smith* 14160 (F). Magdalena, Isla de Salamanca, *Romero-Castaneda* 10523 (MO).

ECUADOR. Azway, Valley of Río Paute, between Paute and Cuenca, 7200-8000 ft., *Camp E-2318* (F, MO). Chimborazo, Nr. Ituigna, Río Chanchan, 4000-4500 ft., *Camp E-2975* (F). Loja, Nr. Loja, *Steyermark* 54848 (F, MO).

PERU. Amazonas, Prov. Bongara, on road to Pomacocha, 13 km N of Puente Ingenio, *Hutchison & Wright* 6834 (F). Ancash, Huaraz, Baños de Chancos, *Sandeman* 4603 (F). Apurimac, Prov. Abancay, Quebrada, 1 km E of Abancay, *Stork et al.* 10554 (F, MO). Cuzco, Pauwcartamboa, *Balls* B6677 (F). Junín, Tarma, Carretera Central, 1-3 km E of Palca, *Edwin & Schunke* 3934 (F, IAN). Piura, 40-43 km E of Olmos on road to Pucara, A. *Gentry et al.* 22660 (BALT). Puno, Region of Puno, *Soukup* 516 (F).

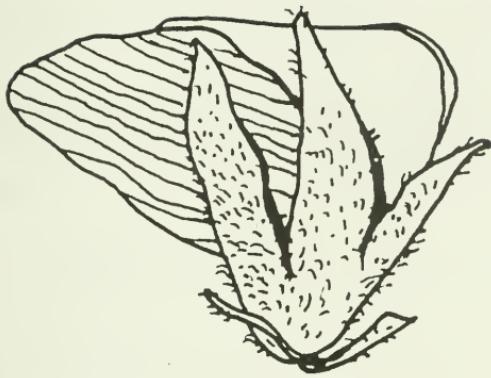
BOLIVIA. La Paz, Coripati Yungas, *Bang* 2067 (F, MO). Tarija, Ruta Tarija-Ville Montes, Serere, *Krapovickas et al.* 19149 (CTES).

PARAGUAY. Amambay, Sierra de Amambay, M, *Hassler* 12039 (RB). Caaguazu, in region of Igatimi, in field, E. *Hassler* 4723 (P). Cordillera, San Bernardino, Costa de Lago Ipacaray, *Quarin et al.* 1475 (CTES). San Pedro, Río Tapiracuay, 8 km de San Estanislao, *Krapovickas et al.* 13911 (CTES).

ARGENTINA. Entre Ríos, Depto. Concordia, alrededores del obrador Salto Grande, N.S. *Troncoso et al.* 1714 (BALT).

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1.5 Centimeters



Seidel y Richter  
874

Bastian  
1128

FIG. 1. a. var. *incana* b. var. *grandiflora*

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